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NOTICE OF ALLOWANCE AND FEE(S) DUE

24247

TRASK BRITT

P.O. BOX 2550

7590

SALT LAKE CITY, UT 84110

05/12/2005

03/12/20

EXAMINER

DIAZ, JOSE R

ART UNIT

PAPER NUMBER

2815

DATE MAILED: 05/12/2005

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/944 472	08/30/2001	Ismes I Howarth	4348115	1550	

(MUEI-0547.00/US)
TITLE OF INVENTION: METHOD OF BALL GRID ARRAY (BGA) ALIGNMENT, METHOD OF TESTING, ALIGNMENT APPARATUS AND SEMICONDUCTOR DEVICE ASSEMBLY

APPLN, TYPE	APPLN. TYPE SMALL ENTITY		PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$300	\$1700	08/12/2005

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.
- B. If the status above is to be removed, check box 5b on Part B Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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Complete and send this form, together with applicable fee(s), to: Mail

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Commissioner for Patents
P.O. Box 1450
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annronriate All further cor	respondence including the local or directed otherwise	Patent, advance on	ders and notificat	tion of maintenance fees w	red). Blocks 1 through 5 s vill be mailed to the current and/or (b) indicating a sepa	correspondence address as	
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block I for any change of address)				Fee(s) Transmittal. Th	mailing can only be used for is certificate cannot be used	for any other accompanying	
24247 7590 05/12/2005				have its own certificate	l paper, such as an assignme of mailing or transmission.	on of formal drawing, must	
TRASK BRITT				Cer	tificate of Mailing or Trans	smission	
P.O. BOX 2550				I hereby certify that th	is Fee(s) Transmittal is bein with sufficient postage for fir	g deposited with the United	
SALT LAKE CITY	7, UT 84110			addressed to the Mai transmitted to the USP	I Stop ISSUE FEE address TO (703) 746-4000, on the o	above, or being facsimile late indicated below.	
						(Depositor's name)	
						(Signature)	
				·		(Date)	
APPLICATION NO.	FILING DATE		FIRST NAMED IN	VENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/944,472	08/30/2001		James J. How	varth	4348US	1559	
TITLE OF INVENTION: N DEVICE ASSEMBLY	METHOD OF BALL GRID	ARRAY (BGA) A	ALIGNMENT, M	ETHOD OF TESTING, A	(MUEI-0547.00/US) LIGNMENT APPARATUS	AND SEMICONDUCTOR	
APPLN, TYPE	SMALL ENTITY	ISSUE FE	EE .	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE	
nonprovisional	NO	\$1400		\$300	\$1700	08/12/2005	
EXAM	IINER	ART UN	IT	CLASS-SUBCLASS			
DIAZ, J	JOSE R	2815		438-106000			
CFR 1.363). Change of correspond Address form PTO/SB/12 "Fee Address" indicat PTO/SB/47; Rev 03-02 of Number is required.	ion (or "Fee Address" Indica or more recent) attached. Use	Correspondence ation form e of a Customer	(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to				
PLEASE NOTE: Unless	an assignee is identified be	elow, no assignee of	data will appear of	on the patent. If an assign	ee is identified below, the d	ocument has been filed for	
recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment. (A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY)							
	assignee category or catego		<u> </u>	<u> </u>	orporation or other private gr	oup entity Government	
4a. The following fee(s) are Issue Fee	enciosea:	46	. Payment of Fee(• •	.11		
_			A check in the amount of the fee(s) is enclosed.				
☐ Publication Fee (No small entity discount permitted) ☐ Advance Order - # of Copies			Payment by credit card. Form PTO-2038 is attached.				
Advance Order - # of Copies			The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number(enclose an extra copy of this form).				
	(from status indicated above	•	_				
	MALL ENTITY status. See				LL ENTITY status. See 37 C		
The Director of the USPTO NOTE: The Issue Fee and Ponterest as shown by the reco	is requested to apply the Issi ublication Fee (if required) vords of the United States Pate	ne Fee and Publicat will not be accepted ent and Trademark	ion Fee (if any) o from anyone oth Office.	r to re-apply any previousl er than the applicant; a regi	y paid issue fee to the applicate stered attorney or agent; or t	ation identified above. he assignee or other party in	
Authorized Signature				Date			
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09/944,472		08/30/2001	James J. Howarth	4348US (MUEI-0547.00/US)	1559
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TRASK BR P.O. BOX 25			DIAZ, JOSE R		
SALT LAKE CITY, UT 84110				ART UNIT	PAPER NUMBER
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Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571) 272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.